


**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

INTERDEPARTMENT CORRESPONDENCE

FILE P. I. No. 0004511, Cobb County **OFFICE** Preconstruction
CM000-0004-00(511)
Noonday Creek Trail-
From Barrett Lakes Blvd. to Bells Ferry Road **DATE** July 24, 2008

FROM  Genetha Rice-Singleton, Assistant Director of Preconstruction

TO  SEE DISTRIBUTION

SUBJECT APPROVED REVISED PROJECT CONCEPT REPORT

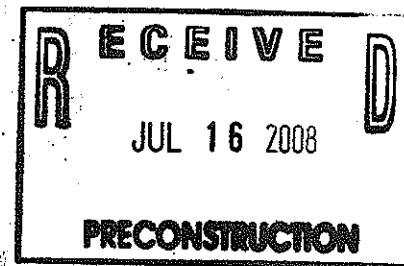
Attached for your files is the approval for subject project.

Attachment

DISTRIBUTION:

Brian Summers
Glenn Bowman
Ken Thompson
Michael Henry
Keith Golden
Paul Liles
Bryant Poole
Mike Lobdell
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA



INTERDEPARTMENTAL CORRESPONDENCE

FILE CM000-0004-00(511)
~~CM-0004-00(511)~~, Cobb County
P.I. No. 0004511
Noonday Creek Trail from Barrett Lakes Blvd. to Bells Ferry Road
OFFICE District 7
DATE March 26, 2008
FROM: Bryant Poole, District Seven Engineer
TO: Genetha Rice-Singleton, Assistant Director of Preconstruction

SUBJECT Revised Project Concept Report

Attached is the original copy of the Revised Concept Report for your further handling and approval in accordance with the Plan Development Process (PDP).

The purpose of this Revised Concept Report is to change the beginning project limits from the intersection of US 41 and Barrett Parkway to Barrett Lakes Blvd and Duncan Road. The ending project limits will remain Bells Ferry Road.

The revised concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE 7-15-2008


State Transportation Planning Administrator

BP:MAL

Distribution:

cc: Brian Summers, Project Review Engineer
Glenn Bowman, State Environment/Location Engineer
Keith Golden, State Traffic Safety and Design Engineer
Angela Alexander, State Transportation Planning Administrator
Jamie Simpson, State Financial Management Administrator
Paul Liles, State Bridge Design Engineer

REVISED PROJECT CONCEPT REPORT

Need and Purpose: (From approved Concept Report)

The proposed Noonday Creek Multi-Use Trail from the intersection of US41 and Barrett Parkway to Bells Ferry Road (TIP# CO-AR-BP214B) is based upon the need to provide connectivity and alternate modes of transportation in the Town Center Mall/Kennesaw Mountain area of Cobb County. By providing a trail in this area, it will allow commuters to live, work and play all in the Town Center Area. They will be able to get out of their cars and walk or bike from apartments, town homes and CCT bus stops to work, eating establishments, entertainment, and retail facilities, thus reducing the number of short vehicle trips and improving air quality by reducing vehicle emissions in this portion of Metro Atlanta.

Once this project and the adjoining project, which begins at the end of the Mountain to River Trail at Kennesaw Mountain National Battlefield Park and ends at the intersection of US 41 and Barrett Parkway (TIP# CO-AR-BP214A), are built the trail will provide connectivity for residents and employees of the area from Bells Ferry Road to the Kennesaw Mountain National Battlefield Park. The Noonday Creek Trail project is an integral part of the LCI project that was completed for the Town Center Area.

There are seven apartment complexes, two town home neighborhoods, one subdivision and one trailer park in the area of the trail. The connectivity of these residential areas to several office parks, three shopping centers in addition to Town Center Mall and the new Super Wal-Mart on Chastain Meadows Parkway, Kennesaw State University and twenty bus stops for CCT will be enhanced due to the construction of the Noonday Creek Trail. This will provide the connectivity needed in this area for the residents and employees of the area to leave their cars and walk to their destination or bus stop via the trail.

The Noonday Creek trail will also provide future connectivity to downtown Kennesaw and a portion of Cherokee County from the Town Center Area via the proposed connections to the Kennesaw Trail and the Noonday Creek Trail Cherokee Connector. These connections to the Noonday Creek Trail will enhance the public's ability to leave their cars and commute to the Town Center Area for living, work and play by alternate modes of transportation.

The construction of the trail will stabilize portions of the creek's banks that suffer severe erosion and shifting due to the increased flows during periods of heavy rainfall. In addition, the construction of the trail will allow for the improvements of pedestrian signals at the intersections that the trail will be constructed through.

Project location:

The approved concept would add a multi-use trail between the intersection of US 41 and Barrett Parkway to Bells Ferry Road in northwestern Cobb County. The entire project is located within the Town Center Area Community Improvement District. The project will be located along Noonday Creek and in the vicinity of Noonday Creek along existing roadways and sidewalks

Description of approved concept:

The project will begin at the intersection of US 41 and Barrett Parkway. The project will proceed along US 41 until it intersects Noonday Creek. The trail will then follow along Noonday Creek crossing over Roberts Boulevard. The trail will continue to follow along the creek until just south of the Cobb County Airport property where the trail will turn and intersect Vaughn Road. Between Roberts Boulevard and Vaughn Road, the trail will cross some low wet areas that may require the trail to be constructed as a boardwalk. The trail will then follow along Vaughn Road, Cobb Place Boulevard and Barrett Lakes Boulevard until its intersection of Noonday Creek, by widening the existing sidewalk along these roads. At this point the trail will again follow along the creek crossing under I-75, crossing Busbee Parkway at its intersection with Town Center Drive, crossing under I-575 and Chastain Meadows Parkway before ending at Bells Ferry Road. The project will contain three creek crossings that will utilize a prefabricated steel bridge structure. These crossings will be approximately 760' north of US 41, 200' west of Busbee Parkway and 730' east of Busbee Parkway. There is an existing 6" x 24" or 6" x 30" curb and gutter along portions of the roadway sections. The approximate length of the project is 4.69 miles, of which 1.64 miles (35%) will be widening of existing sidewalk and 3.05 miles will be new trail (65%). Of the 3.05 miles of new trail, 2.71 miles will be on new location and 0.34 miles will be along existing roadway. The trail will vary in width from 10 feet to 12 feet wide. In the new location areas the trail will have 2 foot grass shoulders.

PDP Classification: Major _____ Minor X

Federal Oversight: Full Oversight (), Exempt (X), State Funded (), Other ()

Functional Classification: Pedestrian/Bike Facility

U.S. Route Number(s): State Route Number(s): Approximately 0.25 miles of the trail is along US 41/SR 3. The trail will cross under I-75/SR 401 and I-575/SR 5.

Traffic (AADT) as shown in the approved concept:

Current Year: N/A-New Facility Design Year: N/A-New Facility

Proposed features to be revised:

- Project Termini

Description of revised features to be approved:

The purpose of this concept report revision is to revise and shorten the limits of the project.

The original project concept began at the intersection of US 41 and Barrett Parkway adding a multi-use trail along existing roadways and Noonday Creek in an easterly direction to Bells Ferry Road. The purpose of this revision is to move the beginning project limits to the intersection of Barrett Lakes Blvd. and Duncan Road and continue in

an easterly direction along existing roadways and Noonday Creek to its terminus at Bells Ferry Road. The new project length will be 2.42 miles.

The reason for this revision is that there has been a change in the funding of the project. The new project limits will be funded with LCI funds. The portion of the project that is being removed by this concept revision will be funded by the Town Center Area CID and its construction advanced to the fall of 2008.

Updated Traffic (AADT)

Current Year: N/A-New Facility Design Year: N/A-New Facility

Programmed Schedule:

P.E.: 2005 R/W: 2009 Construction: 2010

Revised Cost Estimates:

1. Construction cost including E&C	\$2,625,000.00	2,405,000
2. Right-of-way	\$ 500,000.00	LOCAL
3. Utilities	TBD	LOCAL

all 7/18/08

Is the project in a Non-attainment area? Yes. The proposed project concept matches the conforming plan's model description. The project proposes to add a multi-use trail along the Noonday Creek corridor between Barrett Lakes Blvd. at Duncan Road to Bells Ferry Road in the Town Center Mall area of Cobb County.

Recommendation:

It is recommended that the above described revisions be incorporated into the previously approved concept to update the project limits to accommodate the change in funding for the project.

Attachments:

1. Location Map,
2. Cost Estimate,
3. Typical Section,

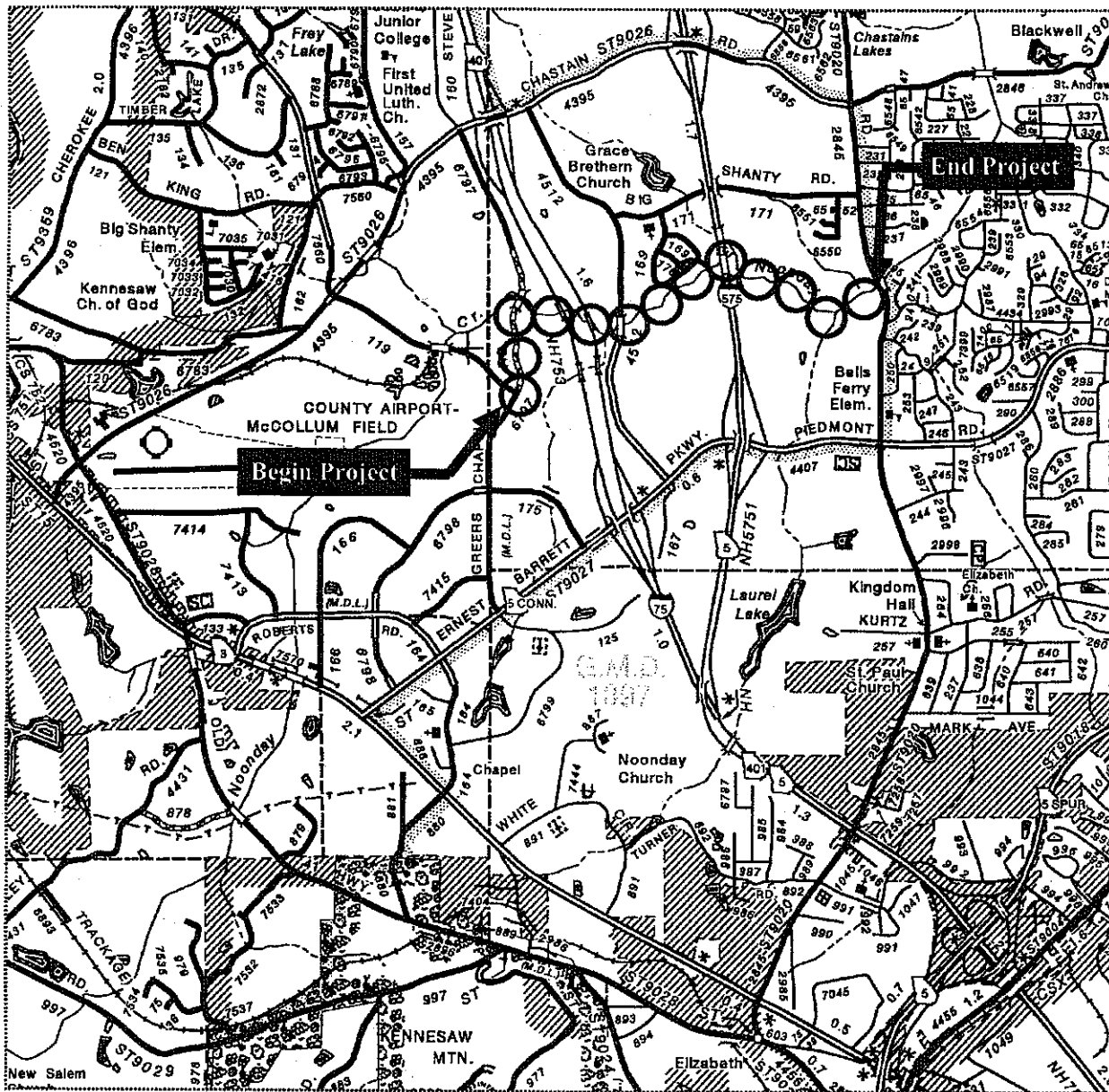
Concur: _____

Todd D. Long
Director of Preconstruction

Approve: _____

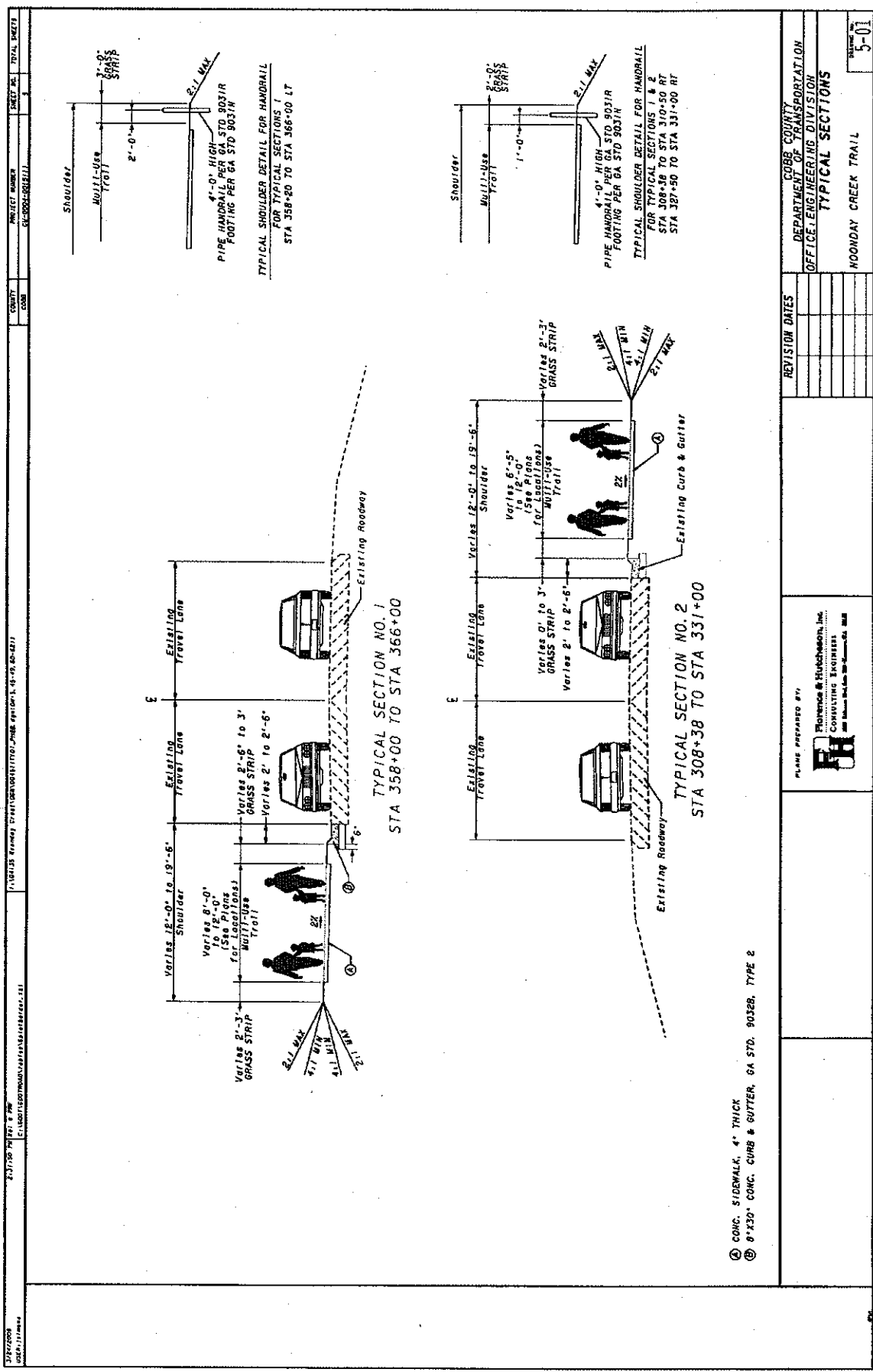
Dale MR
Chief Engineer

Location Sketch



Construction Cost Estimate for Noonday Creek Trail Phase II					
From Barrett Lakes Blvd @ Noonday Creek to Bells Ferry Road					
LCI Funded					
Item Number	Description	Unit	Unit Cost	Quantity	Total Cost
Trail Items					
150-1000	Traffic Control	Lump	\$75,000.00	1	\$75,000.00
207-0203	Foundation Bkfill Matl, TP II	CY	\$61.13	30	\$1,833.90
210-0100	Grading Complete	Lump	\$600,000.00	1	\$600,000.00
310-1101	Graded Aggr Base Crs, Incl Matl	TN	\$24.78	6660	\$165,034.80
402-3110	Recycled Asph Conc 9.5mm Superpave, GP 1 or 2	TN	\$71.83	1000	\$71,830.00
441-0104	Conc Sidewalk, 4 In	SY	\$62.24	3000	\$186,720.00
441-7014	Curb Cut Wheelchair Ramp, Type D	EA	\$900.00	3	\$2,700.00
500-3101	Class A Concrete	CY	\$776.00	100	\$77,600.00
511-1000	Bar Reinf Steel	LB	\$1.56	2500	\$3,900.00
550-1240	Storm Drain Pipe, 24 IN, H 1-10	LF	\$60.16	1101	\$66,236.16
550-4224	Flared End Section 24 IN, Storm Drain	EA	\$846.03	26	\$21,996.78
634-1200	Right of Way Markers	EA	\$111.30	100	\$11,130.00
	Trail Markers TP 10	EA	\$400.00	9	\$3,600.00
641-1200	Guardrail, Tp W	LF	\$20.54	1500	\$30,810.00
641-5001	Guardrail Anchorage, TP 1	EA	\$713.90	5	\$3,569.50
641-5012	Guardrail Anchorage, TP 12	EA	\$1,998.92	5	\$9,994.60
668-1100	Catch Basin, Gp 1	EA	\$2,822.94	2	\$5,645.88
754-4000	Waste Receptacle Unit	EA	\$1,629.75	5	\$8,148.75
754-5000	Bench	EA	\$2,320.66	10	\$23,206.60
754-6000	Bicycle Rack	EA	\$575.00	5	\$2,875.00
Subtotal Trail Items					\$1,371,831.97
Erosion Control - Permanent					
603-2030	Stn Dumped Rip-Rap, TP 1, 30 In	SY	\$60.00	1000	\$60,000.00
603-7000	Plastic Filter Fabric	SY	\$5.22	1000	\$5,220.00
700-6910	Permanent Grassing	AC	\$1,500.00	10	\$15,000.00
700-7000	Agricultural Lime	TN	\$71.92	28	\$2,013.76
700-8000	Fertilizer Mixed Grade	TN	\$369.85	10	\$3,698.50
700-8100	Fertilizer Nitrogen Content	LB	\$3.08	456	\$1,404.48
716-2000	Erosion Control Mats, Slopes	SY	\$1.68	8349	\$14,026.32
	Misc. Landscaping	LS	\$75,000.00	1	\$75,000.00
Subtotal Erosion Control - Permanent					\$176,363.06
Erosion Control - Temporary					
163-0232	Temporary Grassing	AC	\$750.00	6	\$4,500.00
163-0240	Mulch	TN	\$291.39	75	\$21,854.25
163-0300	Construction Exit	EA	\$1,700.00	5	\$8,500.00
163-0530	Construct and Remove Baled Straw Erosion Check	LF	\$4.52	3932	\$17,772.64
165-0010	Maintenance of Temporary Silt Fence, Tp A	LF	\$1.61	5508	\$8,867.88
165-0030	Maintenance of Temporary Silt Fence, Tp C	LF	\$2.05	6291	\$12,896.55
165-0070	Maintenance of Baled Straw Erosion Check	LF	\$2.17	3932	\$8,532.44
165-0101	Maintenance of Construction Exit	EA	\$656.38	5	\$3,281.90
167-1000	Water Quality Monitoring and Sampling	EA	\$1,292.81	12	\$15,513.72
167-1500	Water Quality Inspections	MO	\$986.18	12	\$11,834.16
171-0010	Temporary Silt Fence, Type A	LF	\$3.03	5505	\$16,680.15
171-0030	Temporary Silt Fence, Type C	LF	\$4.41	6291	\$27,743.31
Subtotal Erosion Control - Temporary					\$157,977.00
Signing and Marking					

653-1804	Thermoplastic Solid Traffic Stripe, 8in White	LF	\$2.22	700	\$1,554.00
653-3502	Thermoplastic Skip Traf Stripe, 5in Yellow	GLF	\$0.47	10100	\$4,747.00
	Subtotal Signing and Marking				\$6,301.00
	Signals				
647-1000	Traffic Signal Installation (Upgrade for additional Ped	LS	\$30,000.00	1	\$30,000.00
	Subtotal Signals				\$30,000.00
	Trail Sub Total				\$1,742,473.03
	Bridge Items				
	Bridge #1				
500-3101	Class A Concrete - (for decking & abutments)	CY	\$776.00	38	\$29,488.00
511-1000	Bar Reinf Steel - (for decking & abutments)	LB	\$1.56	3000	\$4,680.00
534-1000	Pedestrian Overpass Bridge #2	Lump	\$175,000.00	1	\$175,000.00
	Sub Total for Bridge #1				\$209,168.00
	Bridge #2				
500-3101	Class A Concrete - (for decking & abutments)	CY	\$776.00	38	\$29,488.00
511-1000	Bar Reinf Steel - (for decking & abutments)	LB	\$1.56	3000	\$4,680.00
534-1000	Pedestrian Overpass Bridge #3	Lump	\$175,000.00	1	\$175,000.00
	Sub Total for Bridge #2				\$209,168.00
	Sub Total for Bridge Items				\$418,336.00
	Sub Total for Construction				\$2,160,809.03
	E&C Rate 10.0% ENGINEERING @ 5%				108,040
	Inflation Rate 5.0% @ 2 years Contingency @ 6%				136,131
	Total Construction Cost				2,404,980
	Right of Way				LOCAL
	Reimbursible Utilities				LOCAL
	Grand Total Project Cost				\$ 2,404,980



PROJECT NUMBER	21-000-0000
COUNTY	COBB COUNTY
SHEET NO.	5-01
TOTAL SHEETS	5

REVISION DATES	DATE	DESCRIPTION

PLANE PREPARED BY:
FLORIAN & HENDERSON, INC.
 CONSULTING ENGINEERS
 1000 Peachtree Street, N.E.
 Atlanta, Georgia 30309-4001
 (404) 525-1100

COBB COUNTY
 DEPARTMENT OF TRANSPORTATION
 OFFICE OF ENGINEERING DIVISION
TYPICAL SECTIONS
 HOODAY CREEK TRAIL

DATE: 5-01

